

## EAST Search History

L20	71	compar\$4 with (brightness or luminance or intensit\$3) with (image or frame) near3 previous with pixel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 12:52
L21	52	(US-20060198556-\$ or US-20060012686-\$ or US-20050073591-\$ or US-20010005429-\$ or US-20040092792-\$ or US-20040161145-\$ or US-20020093510-\$ or US-20030122845-\$ or US-20040036781-\$ or US-20040012721-\$ or US-20020061062-\$ or US-20030215153-\$ or US-20030048958-\$ or US-20020176622-\$ or US-20050025375-\$).did. or (US-6091862-\$ or US-6847397-\$ or US-6160593-\$ or US-6757016-\$ or US-6480624-\$ or US-5696840-\$ or US-5581298-\$ or US-5258826-\$ or US-5124785-\$ or US-4805011-\$ or US-7088392-\$ or US-6933970-\$ or US-5583568-\$ or US-7061528-\$ or US-6380974-\$ or US-5267028-\$ or US-6023533-\$ or US-6545710-\$ or US-5245416-\$ or US-5216496-\$ or US-5406391-\$ or US-7106341-\$ or US-6816193-\$ or US-6545703-\$ or US-5049997-\$ or US-5539541-\$).did. or (US-5880782-\$ or US-7113227-\$ or US-7133553-\$ or US-6937772-\$ or US-6556210-\$ or US-6671420-\$).did. or (JP-2000253307-\$ or JP-2002330337-\$ or JP-2002325729-\$).did. or (JP-10164602-\$ or EP-632663-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/27 14:58
L22	5	21 and previous near3 (image or frame or picture)	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/27 12:56
L23	1	compar\$4 with previous near2 image with pixel with (average or overall or mean or local) near2 (brightness or luminance or intensit\$3)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 12:58
L24	2	compar\$4 with previous near2 (image or frame) with pixel with (average or overall or mean or local) near2 (brightness or luminance or intensit\$3)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 12:59

## EAST Search History

L25	0	correct\$4 with luminance near3 noise with previous near3 (frame or image or picture) near3 (luminance or brightness or intensit\$4)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:03
L26	0	correct\$4 with pixel near3 noise with previous near3 (frame or image or picture) near3 (luminance or brightness or intensit\$4)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:03
L27	6	correct\$4 with pixel with previous near3 (frame or image or picture) near3 (luminance or brightness or intensit\$4)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:04
L28	0	calculat\$4 near3 (brightness or luminance or intensit\$4) near5 (overall or local or average) with previous near3 (image or picture or frame) and compar\$4 with pixel with (overall or local or average)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:06
L29	3	(brightness or luminance or intensit\$4) near5 (overall or local or average) with previous near3 (image or picture or frame) and compar\$4 with pixel with (overall or local or average)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 14:58
L30	17	compar\$4 with previous with image with pixel same (interpolat\$4 or correct\$4 or reduc\$4 or replac\$4 or substitut\$4 or adjust\$4) near3 (defect\$4 or error or noise)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:12
L31	0	compar\$4 with (overall or local or average) with pixel same (interpolat\$4 or correct\$4 or reduc\$4 or replac\$4 or substitut\$4 or adjust\$4) near3 (defect\$4 or error or noise) and (overall or local or average) near4 previous near4 image	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:13
L32	186	(overall or local or average) with (luminance or brightness or intensit\$4) with (previous) with (image or frame or picture)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:38
L33	82	32 and (correct\$4 or reduc\$4 or adjust\$4 or interpolat\$4) with (pixel)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:17
L34	3	10/425338	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:17

## EAST Search History

L35	19	(overall or local or average) with (luminance or brightness or intensit\$4) with (previous) with (image or frame or picture) and (overall or local or average) with previous with (current or pixel) with (correct\$4 or reduc\$4 or interpolat\$4 or adjust\$4 or replac\$4)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:43
L36	11	348/246.ccls. and previous near2 (image or frame)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:45
L37	4	348/247.ccls. and previous near2 (image or frame)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:47
L38	12	defective near2 pixel same previous near2 (image or frame)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:48
L39	1	defective near2 pixel same previous near2 (image or frame) with average	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:47
L40	84	correct\$4 near2 pixel same previous near2 (image or frame)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:49
L41	2	correct\$4 near2 pixel same previous near2 (image or frame) with (average or overall) near4 (value or luminance or intensit\$4 or brightness)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:51
L42	2	compar\$4 near2 pixel same previous near2 (image or frame) with (average or overall) near4 (value or luminance or intensit\$4 or brightness)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:52
L43	1	previous near2 image with (average or overall) with (intensit\$4 or brightness or luminance) and compar\$4 with pixel with (average or overall)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:53
L44	24	previous with (average or overall) with (intensit\$4 or brightness or luminance) and compar\$4 with pixel with (average or overall)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:53
L45	0	prior near3 image with (average or overall) with (intensit\$4 or brightness or luminance) and compar\$4 with pixel with (average or overall)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:54

## EAST Search History

L46	1	previous near3 image same (average or overall) with (intensit\$4 or brightness or luminance) and compar\$4 with pixel with (average or overall)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:54
L47	3	previous near3 image same (average or overall) with (intensit\$4 or brightness or luminance) and compar\$4 with pixel with previous	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:55
L48	51	interpolat\$4 same line with (buffer or memory) and memory with low with capacity	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:56
L49	14	interpolat\$4 same line with (buffer or memory) and memory near4 low near4 capacity	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:57
L50	14	interpolat\$4 same line with (buffer or memory) and (memory buffer) near4 low near4 capacity	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:58
L51	14	(interpolat\$4 or demosaic\$4) same line with (buffer or memory) and (memory buffer) near4 low near4 capacity	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:58
L52	0	(demosaic\$4) same line with (buffer or memory) and (memory buffer) near4 low near4 capacity	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:58
L53	304	(demosaic\$4)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 13:58
L54	433	camera and ((working near2 memory) or buffer or (line near2 memory)) with process\$4 with interpolat\$4	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 14:03
L55	23	54 and (low or small) near2 capacit\$4 with (buffer or memory)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 14:00
L56	456	"348"/\$.ccls. and ((working near2 memory) or buffer or (line near2 memory)) with process\$4 with interpolat\$4	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 14:04
L57	3	line near2 memory same (reduc\$4 or correct\$4 or replac\$4 or adjust\$4) with noise with luminance	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 14:05

## EAST Search History

L58	144	line near2 memory same (reduc\$4 or correct\$4 or replac\$4 or adjust\$4) with luminance	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 14:09
L59	127	58 and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 14:10
L60	4	59 and phone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 14:07
L61	1	59 and small near2 capacity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 14:08
L62	135	line adj (buffer memory) same (reduc\$4 or correct\$4 or replac\$4 or adjust\$4) with luminance	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 14:09
L63	121	62 and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 14:12
L64	9	63 and (buffer or memory) with (low or small) with (size or capacity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 14:15
L65	16	(phone or celular or cellular or handheld) and (correct\$4 or process\$4 or adjust\$4 or interpolat\$4 or demosaic) with line adj (memory buffer) with (intensity or luminance or brightness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 14:28

## EAST Search History

L66	1	08/834221	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 14:29
L67	14	("4827347"   "5095480"   "5296884"   "5335072"   "5506644"   "5742339"   "5781773"   "5793630"   "5845227"   "5893091"   "5926116"   "5974386"   "5978016"   "6065015").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 14:29
L68	104	(US-20060198556-\$ or US-20060012686-\$ or US-20050073591-\$ or US-20010005429-\$ or US-20040092792-\$ or US-20040161145-\$ or US-20020093510-\$ or US-20030122845-\$ or US-20040036781-\$ or US-20040012721-\$ or US-20020061062-\$ or US-20030215153-\$ or US-20030048958-\$ or US-20020176622-\$ or US-20050025375-\$).did. or (US-6091862-\$ or US-6847397-\$ or US-6160593-\$ or US-6757016-\$ or US-6480624-\$ or US-5696840-\$ or US-5581298-\$ or US-5258826-\$ or US-5124785-\$ or US-4805011-\$ or US-7088392-\$ or US-6933970-\$ or US-5583568-\$ or US-7061528-\$ or US-6380974-\$ or US-5267028-\$ or US-6023533-\$ or US-6545710-\$ or US-5245416-\$ or US-5216496-\$ or US-5406391-\$ or US-7106341-\$ or US-6816193-\$ or US-6545703-\$ or US-5049997-\$ or US-5539541-\$).did. or (US-5880782-\$ or US-7113227-\$ or US-7133553-\$ or US-6937772-\$ or US-6556210-\$ or US-6671420-\$).did. or (JP-2000253307-\$ or JP-2002330337-\$ or JP-2002325729-\$).did. or (JP-10164602-\$ or EP-632663-\$).did. and embler	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/27 14:58

## EAST Search History

L69	104	(US-20060198556-\$ or US-20060012686-\$ or US-20050073591-\$ or US-20010005429-\$ or US-20040092792-\$ or US-20040161145-\$ or US-20020093510-\$ or US-20030122845-\$ or US-20040036781-\$ or US-20040012721-\$ or US-20020061062-\$ or US-20030215153-\$ or US-20030048958-\$ or US-20020176622-\$ or US-20050025375-\$).did. or (US-6091862-\$ or US-6847397-\$ or US-6160593-\$ or US-6757016-\$ or US-6480624-\$ or US-5696840-\$ or US-5581298-\$ or US-5258826-\$ or US-5124785-\$ or US-4805011-\$ or US-7088392-\$ or US-6933970-\$ or US-5583568-\$ or US-7061528-\$ or US-6380974-\$ or US-5267028-\$ or US-6023533-\$ or US-6545710-\$ or US-5245416-\$ or US-5216496-\$ or US-5406391-\$ or US-7106341-\$ or US-6816193-\$ or US-6545703-\$ or US-5049997-\$ or US-5539541-\$).did. or (US-5880782-\$ or US-7113227-\$ or US-7133553-\$ or US-6937772-\$ or US-6556210-\$ or US-6671420-\$).did. or (JP-2000253307-\$ or JP-2002330337-\$ or JP-2002325729-\$).did. or (JP-10164602-\$ or EP-632663-\$).did. and embler.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/27 14:58
L70	2	21 and embler	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 15:03
L71	0	adaptive near3 luminance with gain with automatic	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 14:59
L72	0	adaptive near3 luminance with exposure with automatic	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 14:59
L73	3	adaptive near3 luminance with exposure	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 15:00

## EAST Search History

L74	1	adaptive near3 brightness with exposure	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 15:00
L75	7	adaptive near3 intensit\$4 with exposure	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 15:01
L76	18	348/229.1.ccls. and adaptive	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 15:02
L77	2	348/229.1.ccls. and adaptive and average with (luminane or brightness or intensit\$4)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 15:02
L78	2	21 and exposure near3 gain	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 15:03
L79	1	21 and koyanagi	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 15:04
L80	52	21	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/03/27 15:04
L81	0	2003/0081465	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/27 16:14
L82	3	"20030081465"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/27 16:18
L83	7	(HYUNG-GUEN WITH LEE).IN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/27 16:18
S1	6	("5382976" "5506619" "6091862").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/26 09:45

## EAST Search History

S2	2	virtual near3 luminance and interpolat\$4 and reference near3 luminance and noise with filter\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/24 17:14
S3	12	("4516154"   "5347371"   "5347599"   "5448300"   "5471323"   "6160593"   "6404918"   "6563538"   "6603509").PN. OR ("6847397").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/24 17:15
S4	19	("4635107"   "4805011"   "4963978"   "5012331"   "5124785"   "5258826"   "5481302"   "5504821"   "5508742"   "5510850"   "5581298"   "5696840"   "5949482").PN. OR ("6160593").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/24 17:23
S5	7	("3684825"   "4359756"   "4384302"   "4821100").PN. OR ("5124785").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 12:10
S6	1247	348/222.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 12:10
S7	529	S6 and luminance	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 12:10
S8	0	S7 and virtual\$4 near4 luminance	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 12:11
S9	74	S7 and filter\$4 near4 luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 12:17
S10	29	("3971065" "6177956" "6404918" "6441850" "6665448" "6731821" "6816197" "6924841" "6970597" "7015961" "7068851" "7071978" "7081919" "7088392").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 12:17

## EAST Search History

S11	28	("20010005429"   "20020001409"   "20020130957"   "20030052981"   "4630307"   "5008739"   "5365604"   "5652621"   "5751361"   "5808674"   "5832143"   "6034724"   "6075889"   "6091862"   "6229578"   "6289137"   "6404918"   "6507364"   "6528181"   "6563537"   "6567192"   "6570616"   "6781626"   "6791609"   "6803965"   "6819363"   "6924839"   "6933970"). PN. OR ("7088392").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 12:26
S12	2	filter\$4 near2 luminance and reference near2 luminance and interpolat\$4 and compar\$4 and adapt\$4 near3 luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 12:33
S13	7	filter\$4 near2 luminance and reference near2 luminance and interpolat\$4 and compar\$4 and (exposure or (average near2 reference near3 luminance))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 12:34
S14	17	("4544952"   "4590520"   "4642677"   "4701784"   "4752821"   "4814861"   "4825293"   "4860092"   "4887252"   "4896207"   "5267028"   "5283634"). PN. OR ("5583568").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 12:50
S15	550	348/223.1.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 12:51
S16	0	348/223.1.ccls. and virtual near2 luminance	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 12:51
S17	22	348/223.1.ccls. and filter\$3 near2 luminance	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 13:02
S18	2	(difference or compar\$4) with filter\$4 near2 (luminance or intensit\$4) with (reference near2 luminance)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 13:04
S19	22	(difference or compar\$4) with (filter\$4 or calculated or interpolated) near2 (luminance or intensit\$4) with (reference near2 luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:08

## EAST Search History

S20	67	(difference or compar\$4 or subtract\$4) with (filter\$4 or calculated or interpolated or average) near2 (luminance or intensit\$4) with (reference near2 luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:21
S21	6	("5325195"   "6292228"   "6452582"   "6570611"   "6727489"   "6744464"). PN. OR ("7158173").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 13:13
S22	63	348/225.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:26
S23	68	348/228.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:36
S24	17	("5241575"   "5436660"   "5526048"   "5568195"   "5583397"   "5691772"   "6040858").PN. OR ("6545710").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 13:30
S25	380	348/229.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:37
S26	31	348/236.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:40
S27	78	348/237.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:46

## EAST Search History

S28	81	348/238.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:46
S29	779	348/241.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:46
S30	59	348/241.ccls. and luminance with (filter\$4 or interplat\$4 or averag\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:47
S31	59	("5382976").URPN.	USPAT	OR	OFF	2007/03/25 13:53
S32	7	select\$4 with (filter\$4 or averag\$4 or calculat\$4) near4 (luminance or intensit\$4) with referenc\$4 near3 (luminance or intensit\$4) same threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 13:59
S33	29	(filter\$4 or averag\$4 or calculat\$4) near4 (luminance or intensit\$4) with referenc\$4 near3 (luminance or intensit\$4) same threshold same compar\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 14:03
S34	3	(filter\$4 or averag\$4 or calculat\$4) near4 (luminance or intensit\$4) with referenc\$4 near3 (luminance or intensit\$4) same compar\$4 same (average or overall) near3 brightness	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 14:03

## EAST Search History

S35	31	(US-20060198556-\$ or US-20060012686-\$ or US-20050073591-\$ or US-20010005429-\$ or US-20040092792-\$).did. or (US-6091862-\$ or US-6847397-\$ or US-6160593-\$ or US-6757016-\$ or US-6480624-\$ or US-5696840-\$ or US-5581298-\$ or US-5258826-\$ or US-5124785-\$ or US-4805011-\$ or US-7088392-\$ or US-6933970-\$ or US-5583568-\$ or US-7061528-\$ or US-6380974-\$ or US-5267028-\$ or US-6023533-\$ or US-6545710-\$ or US-5245416-\$ or US-5216496-\$ or US-5406391-\$).did. or (JP-2000253307-\$ or JP-2002330337-\$ or JP-2002325729-\$).did. or (JP-10164602-\$ or EP-632663-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/25 14:06
S36	23	S35 and compar\$4	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/25 14:26
S37	29	luminance near3 noise with interpolat\$4	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/25 14:28
S38	0	referenc3 near4 (luminance or brightness or intensit\$3) with interpolat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 14:29
S39	176	reference near4 (luminance or brightness or intensit\$3) with interpolat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 14:38
S40	3242	adapt\$4 near2 (luminance or brightness or intensity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 14:45
S41	23	S40 and (difference or compar\$4) with (averag\$3 or calculat\$3 or interpolat\$3 or filter\$3) near3 (luminance or brightness or intensity) with (reference)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 14:40
S42	597	adaptive near2 (luminance or brightness or intensity)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 14:45

## EAST Search History

S43	574	compar\$4 with threshold same (difference or subtract\$4) with ((image or pixel) near4 (intensity or luminance or brightness))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 14:48
S44	85	compar\$4 with threshold same (difference or subtract\$4) with ((image or pixel) near4 (intensity or luminance or brightness)) same reference	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 14:51
S45	34	compar\$4 with threshold same (difference or subtract\$4) with ((image or pixel) near4 (intensity or luminance or brightness)) with reference near3 (intensity or luminance or brightness or value)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 14:55
S46	3	select\$4 with (filter\$4 or calculat\$4 or interpolat\$4) near3 luminance with reference near3 luminance same adaptive	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 15:09
S47	3	select\$4 with (filter\$4 or calculat\$4 or interpolat\$4 or average) near3 luminance with reference near3 luminance same adaptive	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 15:10
S48	0	compar\$4 with (filter\$4 or calculat\$4 or interpolat\$4 or average) near3 luminance with reference near3 luminance same adaptive	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 15:10
S49	80	compar\$4 with (filter\$4 or calculat\$4 or interpolat\$4 or average) near3 luminance with reference near3 luminance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 15:15
S50	29	(calculat\$4 or determin\$4 or obtain\$4) with threshold with (overall or average or total) near2 (brightness luminance intensit\$3) and compar\$4 same ((averag\$3 or calculat\$3 or interpolat\$3 or filter\$3) near3 (luminance or brightness or intensity)) with (reference)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 15:22
S51	1117	temporal near3 noise and image	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 15:22
S52	227	temporal near3 noise and image and luminance	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 15:22

## EAST Search History

S53	93	temporal near3 noise and image and luminance with (filter\$4 or interpolat\$4 or average)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 15:29
S54	32	348/235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/03/25 15:29
S55	7	("20010009438"   "5768403"   "5953058"   "6028646"   "6400403"   "6456325").PN. OR ("6816193").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/25 15:40
S56	18	(virtual\$4 or averag\$4 or filter\$3) near2 (luminance or intensity or brightness) with reference with difference and compar\$4 with difference with threshold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/25 15:45
S57	23	("5049997").URPN.	USPAT	OR	OFF	2007/03/25 15:48
S58	22	("3971065"   "5050227"   "5253046"   "5293579"   "5382976"   "5719967"   "5771318"   "5875268").PN. OR ("6091862").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:03
S59	73	348/609.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:03
S60	34	348/610.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:04
S61	27	348/662.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:04
S62	251	348/663.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:04
S63	227	348/665.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:04
S64	105	348/666.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:04
S65	650	S58 S59 S60 S61 S62 S63 S64	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:04
S66	430	S65 and compar\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:07

## EAST Search History

S67	123	S65 and compar\$4 with luminance	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:24
S68	0	select\$4 with (average or interpolated or filtered) near2 luminance with reference near2 luminance with based with (threshold)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:25
S69	1	select\$4 with (average or interpolated or filtered) near2 luminance with reference near2 luminance with (threshold)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:25
S70	3	determin\$4 with (average or interpolated or filtered) near2 luminance with reference near2 luminance with (threshold)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:27
S71	20	adaptive near4 luminance and select\$4 with (average or interpolat\$4 or filter\$4) with reference	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/26 08:30
S72	4	adaptive near4 (brightness or intensity or luminance) and select\$4 with (average or interpolat\$4 or filter\$4) with reference near3 (luminance or intensit\$3 or brightness)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/26 08:32
S73	123	luminance near3 noise near4 filter\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/26 08:32
S74	9	("5023919"   "5060082"   "5339365"). PN. OR ("5539541").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:46
S75	0	select\$4 with (mean median) near3 luminance with refrence near3 luminance	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:47
S76	4	select\$4 with (mean median) near3 luminance with reference near3 luminance	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:50
S77	4	select\$4 with (mean median) near3 luminance with reference near3 luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 08:50
S78	18	select\$4 with (average) near3 luminance with reference near3 luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 08:50

## EAST Search History

S79	13	("5880782").URPN.	USPAT	OR	OFF	2007/03/26 08:54
S80	9	("4427996"   "4701626"   "5128769"   "5194960"   "5272538"   "5347371"   "5353058"   "5412487"   "5703644").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:56
S81	4	nelson with hernandez and texas	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:58
S82	261	calculat\$4 with reference near3 luminance	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 08:58
S83	372	calculat\$4 with reference near3 luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/03/26 08:58
S84	381	calculat\$4 with reference near3 luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 08:59
S85	142	S84 and (average or mean or median or interpolated or filtered) near3 (luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 08:59
S86	78	S85 and compar\$4 with reference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:01
S87	34	S85 and compar\$4 with reference near2 luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:03

## EAST Search History

S88	1	((HIGUCHI with KAZUKI) (INOUE with MASATO) (KUWAYAMA with AIICHIRO)).in. and luminance with average	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:04
S89	373	((HIGUCHI with KAZUKI) (INOUE with MASATO) (KUWAYAMA with AIICHIRO)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:04
S90	1	((HIGUCHI with KAZUKI) (INOUE with MASATO) (KUWAYAMA with AIICHIRO)).in. and luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:05
S91	28	((HIGUCHI with KAZUKI) (INOUE with MASATO) (KUWAYAMA with AIICHIRO)).in. and camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:05
S92	385	matsushita.as. and luminance with average	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:06
S93	26	matsushita.as. and luminance with average with reference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:06
S94	15	("20020044691"   "20020164085"   "20030161530"   "5003394"   "5191420"   "5257108"   "5289282"   "5517333"   "5680230"   "5742410"   "5757022"   "5852677"   "6704446"   "6919924"   "7013042").PN. OR ("7113227").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 09:29

## EAST Search History

S95	930	select\$4 near4 (luminance or intensit\$3 or brightness) and (global or overall or averag\$3 or mean or median or interpolat\$4) near3 (luminance or intensit\$3 or brightness) and reference near3 (luminance or intensit\$3 or brightness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:34
S96	650	S95 and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:34
S97	80	select\$4 near4 (luminance or intensit\$3 or brightness) same (global or overall or averag\$3 or mean or median or interpolat\$4) near3 (luminance or intensit\$3 or brightness) same reference near3 (luminance or intensit\$3 or brightness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:34
S98	53	S97 and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:53
S99	410	382/261.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:40
S100	117	382/261.ccls. and luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:40
S101	36	382/261.ccls. and luminance with (average or interpolat\$4 or mean or median or filtered)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:21

## EAST Search History

S10 2	0	interpolat\$4 and line near2 (memory or buffer) and luminance near5 (average or interpolat\$4 or mean or median or filter\$4 or averag\$4) and reference near3 luminance and compar\$4 near6 threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:47
S10 3	20	interpolat\$4 and line near2 (memory or buffer) and luminance near5 (average or interpolat\$4 or mean or median or filter\$4 or averag\$4) and reference near3 luminance and compar\$4 near6 threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:51
S10 4	1022	(difference or subtract\$4) with reference with (average or interpolat\$4 or filter\$4 or mean or median or local) with (intensit\$4 or luminance or brightness or value) and interpolat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:53
S10 5	396	S104 and color	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 09:53
S10 6	280	S105 and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:23
S10 7	8	replac\$4 with (value or luminance or intensity or brightness) with difference with reference with compar\$4 with threshold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 10:52
S10 8	251	(replac\$4 select\$4 or using or use) with (value or luminance or intensity or brightness) with reference same compar\$4 with threshold with difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 10:53
S10 9	46	(replac\$4 select\$4 or using or use) with (value or luminance or intensity or brightness) with reference same compar\$4 with threshold with difference and color and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:27

## EAST Search History

S11 0	2	Free-standing near2 photo near4 strip	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:34
S11 1	3527	(interpolat\$4 or virtual or filter\$3 or averag\$4) near4 luminance and reference near3 luminance and compar\$4 reference with value with luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:38
S11 2	178	(interpolat\$4 or virtual or filter\$3 or averag\$4) near4 luminance and reference near3 luminance and compar\$4 with reference with value with luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:38
S11 3	137	S112 and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:48
S11 4	2783	interpolat\$4 and noise near3 (filter\$4 or reduc\$4) and (luminance or brightness) and compar\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:49
S11 5	1	interpolat\$4 and noise near3 (filter\$4 or reduc\$4) and (luminance or brightness) and compar\$4 with (luminance or brightness) with reference same replac\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:51
S11 6	51	interpolat\$4 and noise near3 (filter\$4 or reduc\$4) and (luminance or brightness) and compar\$4 with (luminance or brightness) with reference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:52

## EAST Search History

S11 7	298	compar\$4 with luminance with reference with difference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:53
S11 8	25	compar\$4 with luminance with reference with difference with threshold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 11:56
S11 9	22	compar\$4 with brightness with reference with difference with threshold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:00
S12 0	29	compar\$4 with brightness with reference with difference with value same (substitu\$4 or replac\$4 or select\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:04
S12 1	1172	noise near3 (filter\$3 or reduc\$4 or correct\$4) with interpolat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:05
S12 2	368	S121 and (brightness or luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:06
S12 3	27	S122 and reference near4 (luminance or brightness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:09

## EAST Search History

S12 4	337021	pixel with interpolat\$4 and (virtual\$4 or filtered or averag\$4 or mean or median or interpolat\$) near3 (brightness or luminance) and local (brightness or luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:26
S12 5	50	(US-20060198556-\$ or US-20060012686-\$ or US-20050073591-\$ or US-20010005429-\$ or US-20040092792-\$ or US-20040161145-\$ or US-20020093510-\$ or US-20030122845-\$ or US-20040036781-\$ or US-20040012721-\$ or US-20020061062-\$ or US-20030215153-\$ or US-20030048958-\$ or US-20020176622-\$).did. or (US-6091862-\$ or US-6847397-\$ or US-6160593-\$ or US-6757016-\$ or US-6480624-\$ or US-5696840-\$ or US-5581298-\$ or US-5258826-\$ or US-5124785-\$ or US-4805011-\$ or US-7088392-\$ or US-6933970-\$ or US-5583568-\$ or US-7061528-\$ or US-6380974-\$ or US-5267028-\$ or US-6023533-\$ or US-6545710-\$ or US-5245416-\$ or US-5216496-\$ or US-5406391-\$ or US-7106341-\$ or US-6816193-\$ or US-6545703-\$ or US-5049997-\$ or US-5539541-\$).did. or (US-5880782-\$ or US-7113227-\$ or US-7133553-\$ or US-6937772-\$ or US-6556210-\$).did. or (JP-2000253307-\$ or JP-2002330337-\$ or JP-2002325729-\$).did. or (JP-10164602-\$ or EP-632663-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/26 12:16
S12 6	0	S125 and ".39"	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/26 12:18
S12 7	10	S125 and formula	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/26 12:16
S12 8	0	S125 and "\$2.39\$3"	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/26 12:18

## EAST Search History

S12 9	0	S125 and \$2.39\$3	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/03/26 12:18
S13 0	190	348/234.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:21
S13 1	197	compar\$4 with difference with luminance same (select\$4 or substitut\$4 or replac\$4) with (luminance or value)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:22
S13 2	160	S131 and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:02
S13 3	337021	pixel with interpolat\$4 and (virtual\$4 or filtered or averag\$4 or mean or median or interpolat\$) near3 (brightness or luminance) same local (brightness or luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:27
S13 4	337021	pixel with interpolat\$4 same (virtual\$4 or filtered or averag\$4 or mean or median or interpolat\$) near3 (brightness or luminance) same local (brightness or luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:28
S13 5	10	pixel with interpolat\$4 same (virtual\$4 or filtered or averag\$4 or mean or median or interpolat\$) near3 (brightness or luminance) same local near4(brightness or luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:28

## EAST Search History

S13 6	10	pixel with interpolat\$4 same (virtual\$4 or filtered or averag\$4 or mean or median or interpolat\$) near3 (brightness or luminance) same local near4 (brightness or luminance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:29
S13 7	118	calculat\$4 with reference near4 luminance and interpolat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:33
S13 8	7	formula with reference near4 luminance and interpolat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:34
S13 9	35	formula with reference near4 luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:35
S14 0	1627	noise near4 (filter or correct\$4 or reduc\$4) and (filter\$4 or averag\$4 or mean or interpolat\$4) near3 luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:37
S14 1	34	noise near4 (filter or correct\$4 or reduc\$4) and (filter\$4 or averag\$4 or mean or interpolat\$4) near3 luminance and reference near3 luminance with color	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 12:37
S14 2	3	("5124785").URPN.	USPAT	OR	OFF	2007/03/26 12:42
S14 3	55	calculat\$4 with luminance with interpolated	USPAT	OR	OFF	2007/03/26 12:44
S14 4	30	calculat\$4 near4 luminance with interpolated	USPAT	OR	OFF	2007/03/26 12:44
S14 5	15	calculat\$4 near2 luminance with interpolated	USPAT	OR	OFF	2007/03/26 12:46

## EAST Search History

S14 6	0	determin\$4 near4 referecen near5 luminance	USPAT	OR	OFF	2007/03/26 12:46
S14 7	119	determin\$4 near4 reference near5 luminance	USPAT	OR	OFF	2007/03/26 12:47
S14 8	0	S147 and interpolat\$4	USPAT	OR	OFF	2007/03/26 12:47
S14 9	25	S147 and interpolat\$4	USPAT	OR	OFF	2007/03/26 12:52
S15 0	0	(demosaic\$4 or interpolation) and noise near4 temporal and luminance near6 interpolated near3 (red or green or blue or color)	USPAT	OR	ON	2007/03/26 12:54
S15 1	233	(demosaic\$4 or interpolation) and noise near4 temporal	USPAT	OR	ON	2007/03/26 12:53
S15 2	741934	(demosaic\$4 or interpolation) and noise near4 temporal and luminance near6 i (red or green or blue or color)	USPAT	OR	ON	2007/03/26 12:54
S15 3	23	(demosaic\$4 or interpolation) and noise near4 temporal and luminance near6 (red or green or blue or color)	USPAT	OR	ON	2007/03/26 12:57
S15 4	1	"6937772".pn.	USPAT	OR	ON	2007/03/26 13:30
S15 5	253	color near3 interpolat\$4 and (determin\$4 or calculat\$4 or obtain\$4 or chang\$4) near4 luminance with (color or red or green or blue)	USPAT	OR	ON	2007/03/26 13:02
S15 6	245	S155 and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:18
S15 7	81	interpolat\$4 near3 color and luminance near3 noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:08
S15 8	35	interpolat\$4 near3 color and luminance near3 noise	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:13

## EAST Search History

S159	506	(luminance or brightness) near3 noise near5 (ffilter\$4 or reduc\$4 or cancel\$4 or corect\$4)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:13
S160	203	interpolat\$4 and compar\$4 with luminance with reference	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:22
S161	19	interpolat\$4 and compar\$4 with luminance with reference with threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:23
S162	94	interpolat\$4 and compar\$4 with value with reference with threshold and luminance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:23
S163	66	S162 and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:26
S164	135	@ad<"20030610" and compar\$4 with (local or overall or average or surrounding or neighbor) near2 (luminance or brightness) with (reference or pixel) near2 (luminance or brightness)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:27
S165	41	S164 and noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:27
S166	1	"6937772".pn. and noise	USPAT	OR	ON	2007/03/26 13:35
S167	4	filtered near2 luminance with region and interpolat\$4	USPAT	OR	ON	2007/03/26 13:36
S168	6	filtered near2 luminance with region and interpolat\$4	US-PGPUB; USPAT	OR	ON	2007/03/26 13:45
S169	5	temporal adj noise with luminance	US-PGPUB; USPAT	OR	ON	2007/03/26 13:49

## EAST Search History

S17 0	0	fpn with interpolat\$4 with luminance	US-PGPUB; USPAT	OR	ON	2007/03/26 13:50
S17 1	1	fpn and interpolat\$4 with luminance	US-PGPUB; USPAT	OR	ON	2007/03/26 13:50
S17 2	10	adaptive near2 luminance and interpolat\$4 with color and (local or region\$3 or surround\$4 or overall) near3 luminance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 13:59
S17 3	28	interpolat\$4 with color and (local or region\$3 or surround\$4 or overall) near3 luminance and reference near2 luminance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:17
S17 4	422	382/164.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:18
S17 5	364	S174 and @ad<"20030610"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 14:06
S17 6	113	S175 and luminance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:18
S17 7	5	S175 and luminance near3 reference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:29
S17 8	12	replac\$4 with luminance same compar\$4 with luminance with reference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 14:32

## EAST Search History

S17 9	1	replac\$4 with pixel near3 value same compar\$4 with luminance with reference	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:22
S18 0	5	(gender near2 changer).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/26 15:23
S18 1	4	usb and gender near2 changer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/27 10:03